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## Amendments to the Claims

Please amend Claim 1 as indicated in the Complete Listing of Claims below:

## Complete Listing of Claims

- Claim 1 (currently amended): A micromechanical dynamometer, comprising:
  - a) a substrate;
  - b) a <u>ring-shaped</u> high-compliance deflection element comprising at least one anchor site and at least one input site;
  - c) one anchor for each anchor site, extending between the substrate and said anchor site;
  - d) a force coupler transferring force from an external source to the at least one input site; and,
  - e) at least one distance scale for optically measuring a deflection of the high-compliance deflection element in response to the force provided from the external source, with the distance scale being functionally attached to the high-compliance deflection element.
- Claim 2 (original): The dynamometer of claim 1, wherein the high-compliance deflection element comprises crystalline silicon, polycrystalline silicon, amorphous silicon, silicon oxide, silicon nitride, amorphous diamond, or a solgel glass.
- Claim 3 (original): The dynamometer of claim 1, wherein the high-compliance deflection element comprises an annulus of material, said annulus having the shape of a polygon, and essentially constant thickness normal to said polygon.
- Claim 4 (original): The dynamometer of claim 3, wherein said high-compliance deflection element has a line of mirror symmetry.
- Claim 5 (original): The dynamometer of claim 3, wherein said polygon is a regular polygon.

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- Claim 6 (original): The dynamometer of claim 1, wherein the high-compliance deflection element comprises a circular annulus having a rectangular cross-section of essentially constant dimensions throughout.
- Claim 7 (previously presented): The dynamometer of claim 1, wherein each distance scale operates in combination with an indicator which is mechanically coupled to a displacement of the high-compliance deflection element.
- Claim 8 (previously presented): The dynamometer of claim 7, wherein each indicator is coupled to a different point on the deflection element.
- Claim 9 (previously presented): The dynamometer of claim 7, wherein each distance scale is optically readable so that displacement of the indicator can thereby be quantified optically.
- Claim 10 (original): The dynamometer of claim 1, further comprising a calibration force input.
- Claim 11 (original): The dynamometer of claim 10, wherein the calibration force input is integral with the force coupler.
- Claim 12 (original): The dynamometer of claim 1, further comprising a deflection element restraint system.
- Claim 13 (original): The dynamometer of claim 12, wherein said restraint system comprises motion guides.
- Claim 14 (original): The dynamometer of claim 13, wherein said restraint system comprises ring constraints.